CLAIMS

1. A three-dimensional model processing apparatus comprising:

display means for three-dimensionally displaying object to be edited;

an object tool in which movement and orientation change can be made;

an editing tool in which relative distance with respect to the object tool can be changed; and

processing means for detecting relative position between the object tool and the editing tool to execute processing set in correspondence with the editing tool on the basis of the detected relative position information to change attribute information of the object to be edited displayed on the display means.

2. The three-dimensional model processing apparatus as set forth in claim 1wherein the processing means has a configuration to detect position information of the changed object tool based on movement and orientation change of the object tool to change attribute information of the object to be edited displayed on the display means on the basis of the position information.

3. The three-dimensional model processing apparatus as set forth in claim 1wherein the processing means has a configuration capable of executing plural different processing corresponding to kind of editing tools.

4. The three-dimensional model processing apparatus as set forth in claim 1wherein the processing means has a configuration to execute processing set in correspondence with the editing tool on the basis of relative position information

including at least one of relative distance between the object tool and the editing tool and relative angle between the object tool and the editing tool.

5. The three-dimensional model processing apparatus as set forth in claim 1wherein attribute information of the object to be edited that the processing means changes is either one of attribute information relating to shape, color and sound of the object to be edited displayed on the display means.

6. The three-dimensional model processing apparatus as set forth in claim 1wherein the processing means has a configuration to execute functional operation of the object to be edited displayed on the display means as processing set in correspondence with the editing tool.

7. A three-dimensional model processing method for executing various processing with respect to object to be edited three-dimensionally displayed on display means, the three-dimensional model processing method comprising:

a step of detecting relative position between an object tool in which movement and orientation change can be made and an editing tool in which relative distance with respect to the object tool can be changed; and

a step of executing processing set in correspondence with the editing tool on the basis of the detected relative position information to change attribute information of the object to be edited displayed on the display means.

8. The three-dimensional model processing method as set forth in claim 7, which further includes a step of detecting position information of the changed object tool

based on movement and orientation change of the object tool, and a step of changing attribute information of the object to be edited displayed on the display means on the basis of the detected position information.

9. The three-dimensional model processing method as set forth in claim 7, which includes a step of discriminating kind of editing tools to execute processing corresponding to the kind of the discriminated editing tool.

10. The three-dimensional model processing method as set forth in claim 7, wherein, at the step of detecting the relative position, relative position including at least either one of relative distance between the object tool and the editing tool and relative angle between the object tool and the editing tool.

11. The three-dimensional model processing method as set forth in claim 7, wherein the attribute information is either one of attribute information relating to shape, color and sound of the object to be edited displayed on the display means.

12. The three-dimensional model processing method as set forth in claim 7, wherein functional operation of the object to be edited displayed on the display means is further executed as processing set in correspondence with the editing tool.

13. A program providing medium for providing computer program which executes, on computer system, three-dimensional model processing for executing various processing with respect to object to be edited three-dimensionally displayed on display means, the computer program comprising:

a step of detecting relative position between an object tool in which movement

and orientation change can be made and an editing tool in which relative distance with respect to the object tool can be changed; and

a step of executing processing set in correspondence with the editing tool on the basis of the detected relative position information to change attribute information of the object to be edited displayed on the display means.